BRUHATH BENGALURU MAHANAGARA PALIKE

Yelahanka Division, Yelahanka Zone

Executive Engineeer
Yelahanka Division
B.B.M.P. Bengaluru - 64

NO:BBMP/EE/YNK.D/EPMT-01/2020-21 Dt:02-5-2020

APPROVED TENDER SCHEDULE –'B'

Item 49

Name of Work :-Improvements to cross roads at chikkadinne to Tirumalanagara in ward no -03.

Sl	Description	Unit	Approved Qty	Rate quoted by the contractor approved rates Sri B R Mohan	
				Rate	Rate in Words
1	Removing and refixing stone slabs of drains and pointing in CM (1:3) (P. No-27, I. No-5.33)	Sqm	129.00	116.31	One Hundred Sixteen Paise ThirtyOne Only
2	KSRRB 300: Excavation for road, drains and similar works KSRRB 300-1. Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 m and an average lift upto 0.5 m. excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications. MORTH / Chapter 3 (P.No-143, I.No-19.1)	Cum	70.50	224.97	Two Hundred TwentyFour Paise NinetySeven Only
3	KSRB M2100-10:Providing and laying in position plain cement concrete of Mix 1:3:6 with OPC @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @ 0.89 cum and fine aggregates @ 0.46 cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days including cost of all materials, labour, HOM curing, form works, scaffolding and centring complete as per specifications. (P.No-222, I.No-27.18)	Cum	3.15	5665.89	Five Thousand Six Hundred SixtyFive Paise EightyNine Only

	viding and laying plain/reinforced ment concrete for side drains using M20 ominal mix concrete with OPC at 300 kgs h 20mm and down size granite metal coarse aggregates at 0.69 cum and fine aggregates at 0.43 cum machine mixed, well compacted for walls and bottom including centring, shuttering, cost of materials, HOM of machinery, curing etc., complete excluding cost of steel as per MORTH specification No. 1500, 1700, 2000. Including cost of materials, labour, HOM complete as per specifications. (Page No.271. Item No,37.59.2 of PW, P&IWTD S.R 2018-19)	Cum	7.20	7388.36	Seven Thousand Three Hundred EightyEight Paise ThirtySix Only
5	KSRRB M2300-14: Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour HOM of machinery complete as per specifications. Specification NO. MORTH Specification No.1600 & 220 TMT Bars Fe 500. (Page No. 239. Item No. 29.29.2 of PW, P&IWTD S.R 2018-19)	Tonne	0.65	77321.89	SeventySeven Thousand Three Hundred TwentyOne Paise EightyNine Only
6	Providing granite slabs of selected quality roughly dressed and fixed in cement mortar (1:6) including fixing curing etc., complete. 7.5 cms thick (P. No-27, I. No-5.31.1 of PW, P&IWTD SR 2018-19)	Sqm	129.00	775.39	Seven Hundred SeventyFive Paise ThirtyNine Only
7	Providing and Fixing RCC pre cast cover Slab 250mm thick for drain made out of CC 1:2:4 and jelly 20mm Down size with steel reinforcement including form work, lift charges, curing and concrete finished on both sides etc.,CompleteAs per drawing and direction of Engineer IN charge. (Data Rate).	Sqm	18.00	5661.81	Five Thousand Six Hundred SixtyOne Paise EightyOne Only
8	KSRRB M300-14: Excavation for roadwork in all types of soil by Mechanical means including cutting and loading to tippers, trimming bottom and side slopes, in accordance with requirements of lines, graded and cross sections, and transportation with a lead of 1.00 km and complete as per specifications. MORTH Specification No.301.	Cum	503.30	66.82	SixtySix Paise EightyTwo Only

	(P. No-143, I. No-19.14) KSRRB 300-58: Compaction of original ground by mechanical means including filling in depression occurring during rolling including cost of all labour, HOM complete as per specifications. MORTH/ Chapter 3 (P. No-147, I. No-19.64)	Sqm	1391.00	6.65	Six Paise SixtyFive Only
10	Construction of granular sub-base Grading-V as Sub-Base and drainage layer by providing coarse graded crushed stone aggregates of granite/trap/basalt material, mixing in mechanical mix plant at OMC. Carriage of mixed material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the 98% proctor density, complete as per specifications. Clause 401 of MORTH V Revision. (Page No. 153. Item No.20.5)	Cum	208.65	2084.69	Two Thousand EightyFour Paise SixtyNine Only
11	KSRRB M400-17: Providing, Laying, Spreading and Compacting crushed stone aggregates of granite/ trap/ Basalt to wet mix macadam specifications including premixing the material with water at OMC in Mechanical mix plant carriage of mixed materials by tipper to site, laying in uniform layers with paver in sub-base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications. MORTH Specification No. 406. Page No. 155 Item No. 20.18	Cum	278.20	2091.34	Two Thousand NinetyOne Paise ThirtyFour Only
12	KSRRB M500-6: Providing and Supplying primer coat with S.S bitumen emulsion on prepared surface of granular base such as WMM including cleaning of road surface and spraying primer at the rate of 0.60 kg /sqm using mechanical means complete as per specifications Clause 502 of MORTH Clause 502 of MORTH V revision (P.No-158, Item No. 21.6)	Sqm	1391.00	29.91	TwentyNine Paise NinetyOne Only

	SRRB M500-17: Providing and laying ense Graded Bituminous Macadam using rushed aggregates of crushed aggregates specified grading, premixed with VG30 grade bituminous binder and transporting the hot mix to work site, laying to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH table 500-10 complete in all respects complete in all respects complete as per specifications. MORTH Specification No,507. Using 100/120 TPH capacity HMP with sensor paver Gr-II (50mm to 75mm) with 4.5% VG-30 Bitumen (Page No. 160. I.No-21.17.6)	Cum	69.55	6894.32	Six Thousand Eight Hundred NinetyFour Paise ThirtyTwo Only
14	KSRRB 500-7: Providing and applying tack coat using 80/100 grade bitumen (VG10) on the prepared black topped surfaces at 0.25kg per sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials; labour, HOM of machineries complete as per specifications. MORTH Chapter 5 (Page No. 158. Item No. 21.7)	Cum	1391.00	13.29	Thirteen Paise TwentyNine Only
15	Providing and laying bituminous concrete 40mm thick with hot mix plant, using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site, laying with a paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction in all respects complete as per specifications. Clause 507 of MORTH V revision as per IRC SP-53-2015. Do- using 40-60 TPH capacity HMP with mechanical paver grading II (30-45mm) with 5.4% of modified bituminous binder consisting of 4.97% of VG-30 Bitumen (60/70 grade) and 0.43% of plastomeric thermoplastics (waste plastic) (Page No. 171. Item NO.21.78.12)	Cum	41.73	8102.83	Eight Thousand One Hundred Two Paise EightyThree Only

	KSRRB M800-13: Road marking with Hot Applied 'Thermoplastic' Compound with Reflectorizing Glass Beads on Bituminous Surface:-. Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorizing glass beads at 250gms per sqm area, thickness of 2.5mm is exclusive of surface applied glass beads as per IRC:35.The Finished surface to be level , Uniform and free from streaks and holes complete as per Specifications. MORTH Specification NO.803 (P.No-182, I.No-24.15)	Sqm	43.00	475.20	Four Hundred SeventyFive Paise Twenty Only
17	KSRRB M800-35: Supply and installation of moulded Shank Raised Pavement Markers made of Polycarbonate and ABS (Acrylonitrile Butadiene Styrene) Moulded body and reflective panels with micro prismatic lens capable of providing total internal reflection of the light entering the lens face and shall support a load of 16000 kg tested in accordance to Specifications of Category A of MORTH Circular No RW/ NH/33023/10-97 – DO III D 11.06.1997. The height, width and length shall not exceed 50mm, 100mm and 102mm and with minimum reflective area of 13 Sqcm on each side and the slope to the base shall be 35 degree. The strength of detachment of the integrated cylindrical shanks, (of diameter not less than 19mm and height nor less than 30mm) from the body is to be a minimum value of 500 kg. Fixing will be by drilling holes on the road for the shanks to go inside, without nails and using epoxy resin-based adhesive as per manufacturer's recommendation and complete as directed by the engineer. (P. No-187, I. No-24.41)	Nos	54.00	373.29	Three Hundred SeventyThree Paise TwentyNine Only

Signature of the Contractor

Executive Engineer,
Yelahanka Division,
BBMP, Bengaluru-64.